PTO/SB/08B (08-03) Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE erwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute form 1449/PTO & TRADEN **Application Number** 10/814,731 **INFORMATION DISCLOSURE** Filing Date March 31, 2004 STATEMENT BY APPLICANT First Named Inventor OFEK, Yoram **Art Unit** (Use as many sheets as necessary) **Examiner Name**

Attorney Docket Number

OFE 1854

Sheet

of 2

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	miner Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of					
	T.S. RAPPAPORT, "Wireless Communications: Principles & Practice," 1999, Prentice Hall, Upper Saddle River, New Jersey, USA.					
		J. C. LIBERTI AND T. S. RAPPAPORT, "Smart Antennas for Wireless Communications: IS-95 and Third-Generation CDMA," 1999, ISBN: 0-13-719287-8, Prentice Hall, New Jersey, USA				
		IEEE 802.11 – wireless LAN (local area network)				
	BENJAMIN RULF, GREGORY A. ROBERTSHAW (CONTRIBUTOR), "Understanding Antennas for Radar Communications and Avionics (Van Nostrand Reinhold Electrical/Computer Science and Engineering Series)," May 1987, 335 pages, ISBN: 0442277725, Kluwer Academic Publishers					
		LAL C. GODARA, "Applications of Antenna Arrays to Mobile Communications, Part I: Performance Improvement, Feasibility, and System Considerations," JULY 1997, pp. 1031-1060, PROCEEDINGS OF THE IEEE, VOL. 85, NO. 7,				
	LAL C. GODARA, "Applications of Antenna Arrays to Mobile Communications, Part II: Beam-Forming and Direction-of-Arrival Considerations," AUGUST 1997, pp. 1195-1245, PROCEEDINGS OF THE IEEE, VOL. 85, NO. 8,					
	MARTIN COOPER AND MARC GOLDBURG, "Intelligent Antennas: Spatial Division Multiple Access," 1996, pp. 999-1002, 1996 ANNUAL REVIEW OF COMMUNICATIONS,					
	M. COOPER, "Antennas get Smart," July 2003, pp. 48-55, Scientific American,					
	BERTONI, H.L., "Radio Propagation for Modern Wireless Systems", 2000, ISBN 0130263737, Prentice Hall					
	IEEE Std 802.16 -2001, Part 16: Air Interface for Fixed Broadband Wireless Access Systems					
	IEEE Std 802.15.1-2002, Part 15.1: Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications for Wireless Personal Area Networks (WPANs)					
Examiner		Date				

Considered Signature

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION	DISCLOSURE
STATEMENT B	Y APPLICANT

ubstitute for form 1449/PTO

Sheet 2

(Use as many sheets as necessary)

Complete if Known			
Application Number	10/814,731		
Filing Date			
First Named Inventor	OFEK, Yoram		
Art Unit			
Examiner Name			
Attorney Docket Number	OFE 1854		

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
.,		^{US-} 6,486,832	11/26/2002	Abramov, et al.	
		^{US-} 6,278,405	08/21/2001	Ha, et al.	
		^{US-} 6,070,071	05/30/2000	Chavez, et al.	
		^{US-} 6,078,823	06/20/2000	Chavez, et al.	
		^{US-} 6,449,469	09/10/2002	Miyahara	
		^{US-} 5,969,689	10/19/1999	Martek, et al.	
		^{US-} 6,683,567 B2	01/27/2004	De Champlain, et al.	
		^{US-} 6,426,814 B1	07/30/2002	Berger, et al.	
		^{US-} 6,243,427 B1	06/05/2001	Stockton, et al.	
		US-			·
		US-			
		US-		-	
		US-		1	
		US-			
	l	US-			

	FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	
		Country Code ^{3 -} Number ^{4 -} Kind Code ⁵ (if known)	MM-DD-YYYY			Τ ⁶
					<u> </u>	
	<u> </u>					L
	<u> </u>					_
						L

Examiner	Date	
Signature	Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of Considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Senter Office that issued the document, by the two-letter code (WIPO Standard ST.). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.